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मानक



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Mazdoor Kisan Shakti Sangathan

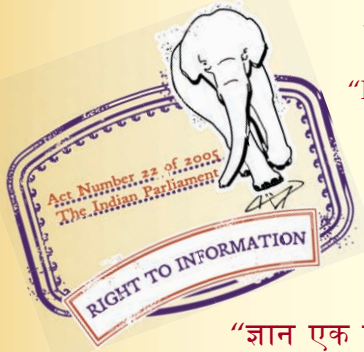
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IS 14342 (1996): Textiles - Jute yarn/twine - Packaging code [TXD 3: Jute and Jute Products]



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“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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भारतीय मानक

वस्त्रादि — पटसन धागे/सूतली की पैकेजबंदी संहिता

Indian Standard

**TEXTILES — JUTE YARN/TWINE —
PACKAGING CODE**

ICS 59.080.20

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BUREAU OF INDIAN STANDARDS
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NEW DELHI 110002

FOREWORD

This Indian Standard was adopted by the Bureau of Indian Standards after the draft finalized by the Jute and Jute Products Sectional Committee had been approved by the Textile Division Council.

This standard is mainly based on the information provided by the Indian Jute Industries' Research Association, Calcutta.

Indian Standard

TEXTILES — JUTE YARN/TWINE — PACKAGING CODE

1 SCOPE

This standard prescribes procedure for packaging of jute yarn/twine in the form of truss or bale.

2 REFERENCES

The following Indian standards are necessary adjuncts to this standard :

<i>IS No.</i>	<i>Title</i>
1029 : 1970	Specification for hot rolled steel strips (baling) (<i>first revision</i>)
1670 : 1991	Textiles — Yarn — Determination of breaking load and elongation at break of single strand (<i>second revision</i>)
2818 (Part 2) : 1971	Specification for Indian hessian: Part 2 305 and 229 g/m ² at 16 per cent contract regain (<i>first revision</i>)

3 TERMINOLOGY

For the purpose of this standard, the following definitions shall apply.

3.1 Yarn

A continuous strand made from jute fibres twisted together.

3.2 Twine

A plied yarn made by twisting together two or more strands of yarn.

3.3 Hank

Jute yarn reeled as skein having circumference of 229 cm and length of 274 metres (300 yards).

3.4 Spool

A package of yarn with a core as specified by the buyer.

3.5 Bundle

A package without covering or wrapping consisting of a number of hanks or spools suitably tied as specified.

3.6 Truss

A bundle of hanks or spools suitably covered or wrapped but neither hooped nor machine pressed.

3.7 Bale

A rectangular or square shaped compressed rigid package containing jute yarn/twine in hanks suitably wrapped with bale covering with outerlayer stitched and bound by metal hoops.

4 PACKING MATERIALS

4.1 Bale/Truss Covering

The jute fabric used for covering bale/truss shall be new, double warp sacking or hessian fabric having mass and breaking strength as under:

Sacking

Average mass, g/m ² , <i>Min</i>		523
Average breaking load	Warp	1 120 (114)
(on 10 cm × 20 cm reuelled strip), N (kgf), <i>Min</i>	West	1 325 (135)

Hessian

Average mass, g/m ² , <i>Min</i>		229
Average breaking strength	Warp	1 020 (104)
(on 10 cm × 20 cm reuelled strip), N(kgf), <i>Min</i>	West	1 100 (112)

[see also IS 2818 (Part 2) : 1971]

However jute fabric of other construction conforming to the relevant Indian Standard may be used if agreed to between the buyer and the seller.

4.2 Polyethylene Film

The minimum thickness of the polyethylene film used for covering the bundles of yarn/twine shall be 40 micron (23 g/m²).

4.3 Sewing Twine

The twine used for stitching the bale/truss covering shall have a minimum breaking strength of 176 N irrespective of the number of plies (*see also IS 1670 : 1991*).

4.4 Baling Strips (or Hoops)

The baling strips used for outside bounding of bales shall be new and of soft grade. The thickness and width of strips painted black shall be 1.63 mm and 25 mm respectively (*see also IS 1029 : 1970*).

5 MAKE-UP OF PACKAGES

5.1 Yarn

Two or specified number of yarn spools shall be packed in a polyethylene bag and eight such bags

shall be put together to form one truss. In case of jumbo spool, one spool shall be packed in a polyethylene bag instead of two.

5.2 Twine

5.2.1 Jute twine shall be made into a hank of a specified circumference of mass as specified by the buyer.

5.2.2 A number of such hanks shall be tied together with twine to make a bundle of mass as agreed to between the buyer and the seller.

5.2.3 Each bundle of twine shall be wrapped with polyethylene film.

5.2.4 The bundles of twine shall then be made into truss or bale as agreed to between the buyer and the seller.

5.3 All trusses or bales of one lot purporting to be of one specified type and quality shall contain the mass of yarn or twine as agreed to between the buyer and the seller.

6 REQUIREMENTS OF PACKAGES

6.1 The average moisture regain percent in a packed bale or truss shall not exceed 16 percent.

6.2 The bale or truss shall be completely covered on all sides with at least one layer of bale covering.

6.3 The loose ends of the bale covering shall be sewn with jute twine as prescribed in 4.3 in such a way that distance between stitches is about 8 cm on

the sides and about 12 cm at the top and bottom of the bale.

6.4 The truss shall contain spools as specified by the buyer and shall not include any damaged or defective spool. Each truss shall be provided with loops or dog-ears for handling purpose.

6.5 The bale shall be securely bound with steel strips (hoops) (see 4.4) running at right angles to the length of the bale. The number of strips for each bale shall not be less than 3.

6.6 The bales shall be compressed suitably avoiding excessive pressure which may cause damage to twine.

7 MARKING

7.1 Unless otherwise agreed to between the buyer and the seller, the following information shall be stencilled on the truss or bale with an indelible ink of any suitable colour:

- a) Description of material,
- b) Net and gross mass of the yarn or twine in the truss or bale,
- c) Bale or truss number,
- d) Identification of source of manufacturer, and
- e) Any other information required by the buyer or by the law or regulations in force.

7.2 The trusses or bales shall be marked on two sides unless otherwise agreed to between the buyer and the seller.

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Amendments Issued Since Publication

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